

U.S. Patent Appl. 10/531,441

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 16 of the specification with the following revised abstract which is submitted on a separate sheet.

ABSTRACT

~~The invention relates to a~~ flowmeter $[(1)]$ comprising at least two ultrasonic transducers $[(2, 3)]$ that are mounted on a container $[(7)]$ which is penetrated by a medium $[(9)]$ in a certain direction of flow $[(S)]$. ~~Said~~ The ultrasonic transducers $[(2, 3)]$ alternately transmit and receive ultrasonic test signals in the direction of flow $[(S)]$ and counter to the direction of flow $[(S)]$. The ~~inventive~~ flowmeter $[(1)]$ further comprises a control/evaluation unit $[(6)]$ which determines and/or monitors the volume flow of the medium $[(9)]$ inside the container $[(7)]$ based on the difference in the travel time of the ultrasonic test signals propagating in the direction of flow $[(S)]$ and counter to the direction of flow $[(S)]$. The ~~inventive~~ ultrasonic transducers $[(2, 3)]$ are configured such that they transmit and receive ultrasonic test signals or sound fields having a large aperture angle $[(g)]$ or a great beam expansion.